

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claims 15-49;

Please add new claim 58 as follows:

Please amend claims 50-57 as follows:

Claims 1-49 (Canceled)

50. (Currently Amended) A composition as described in Claim 49 58, wherein said coenzyme Q10 is present in an amount between about 5% and 15% by weight of said composition.

51. (Currently Amended) A composition as described in Claim 49 58, wherein the ratio of said glycoprotein matrix to said coenzyme Q10 is between about 1:1 to about 10:1.

52. (Currently Amended) A composition as described in Claim 49 58, further comprising a bioflavonoid.

53. (Currently Amended) A composition as described in Claim 49 52, wherein said bioflavonoid is hesperidin.

54. (Currently Amended) A composition as described in Claim 49 58, wherein said yeast include *Saccharomyces cerevisiae*.

55. (Currently Amended) A composition as described in Claim 49 58, wherein said bacteria comprises bacteria within genus *Lactobacillus*.

56. (Currently Amended) A composition as described in Claim 49 58, wherein said bacteria includes *Lactobacillus acidophilus* or *Bacterium bifidus*, or both.

57. (Currently Amended) A nutritional supplement comprising coenzyme Q10 bound by a glycoprotein matrix according to claim 49 58.

58. (New) A composition comprising a glycoprotein matrix bound to coenzyme Q10, wherein the glycoprotein matrix is derived from yeast and bacteria suitable for consumption by mammals, and is bound to the coenzyme Q10 by fermenting the yeast and bacteria in the presence of coenzyme Q10.